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From: liab@slv.se  
Sent: Thursday, July 1, 2004 8:07 AM  
To: Shelby, Michael (NIH/NIEHS)  
Subject: comment on acrylamide report

Dear Prof. Shelby!

I must start to say that I do not know if this is the right address to send my comments to, if not, I hope you can link it to the right person.

I just have some few comments on the "NTP-CERHR expert panel report on the reproductive and developmental toxicity of acrylamide".

1. page 34, the bolded text in the middle: my comment is:

a) Segerbäck et al. 1995, carcinogenesis 16, 1161-65, have clearly shown that it is the metabolite of acrylamide, glycidamide, that binds to DNA.

b) Birgit Paulsson et al. 2002 Mut. Res. 535 15-24 demonstrated that glycidamide is responsible for the induced micronuclei when mice are injected with acrylamide.

My suggestion is to bear this in mind when the conclusion about genotoxicity and acrylamide/glycidamide is written

2. page 34, lower part of the page, the para. starts: Micronucleated erythrocytes scored....: my comment is:

about the article ref. no 60 (Abramsson Zetterberg): The author study the dose response relationship in two intervalls, 0 -30 mg/kg b.w. and 0 - 100 mg/kg b.w. Both these studies point to a stronger response in the low dose regions, although there were not significant differences in the slope. Furthermore, the DNA content disclose a clear clastogenic effect (i.e. not aneugenic) , in the region of 0 to 100 mg/kg b.w. (not 0 -30 mg/kg b.w. written by you.)

Best regards from Lilianne Abramsson Zetterberg

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